

CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claims 1. – 54.(canceled)

55. (currently amended) A method of for promoting neurite outgrowth in a cell culture, comprising administering to said cell culture an effective amount of a peptide comprising one or more monomeric peptides, wherein each of said monomeric peptides comprises a sequence independently selected from selected from the group consisting of:

GGTYSCHFGPLTWVCKPQGG	(SEQ ID NO:8);
GGTASCHFGPLTWVCKPQGG	(SEQ ID NO:19);
GGTYSCHFAPLTWVCKPQGG	(SEQ ID NO:20);
GGTYSCFGPLTWVCKPQGG	(SEQ ID NO:21); or and,
YCHFGPLTWVC	(SEQ ID NO:17).

56. (previously presented) The method of claim 55, wherein each of said monomeric peptides is independently selected from:

GGTASCHFGPLTWVCKPQGG	(SEQ ID NO:19);
GGTYSCHFAPLTWVCKPQGG	(SEQ ID NO:20);
GGTYSCFGPLTWVCKPQGG	(SEQ ID NO:21); or
YCHFGPLTWVC	(SEQ ID NO:17).

57. (previously presented) The method of claim 55, wherein the cell culture comprises cortical cells.

58. (previously presented) The method of claim 55, wherein the cell culture comprises hippocampal cells.